SIANINA, Josef (Praha 9 --- Bulovka, rentg. katedra pro doskol. lekaru v Praze)

X-ray therapy of steriligy. Cesk. rentg. 12 no.3:203-205 Sept 58.

1. Rentgen. katedra Ustavu pro doskolovani lekaru v Praze, prednosta prim. MUDr. J. Slanina.

(STERILITY, ther.

x-ray, in cases with etiol. of endocrine dysfunct. (Cz))

(RADIOTHERAPY, in various dis.

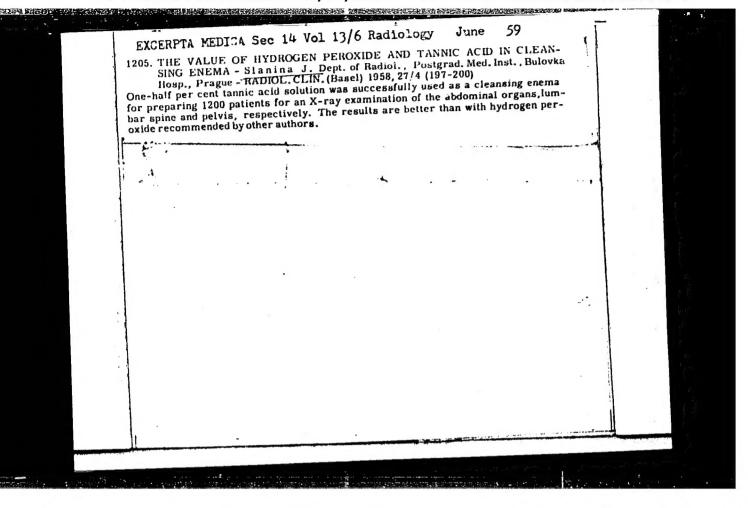
sterility in cases with etiol. of endocrine dysfunct. (Cz))

SIANINA, Josef; POKORNY, Jaroslav

Rectangular x-ray technic in stomatology. Cesk. rentg. 12 no.4:265-267 Dec 58.

1. Klin. zakladna rentgen. katedry UDL, prednosta prim. dr. J. Slanina a stomatologicke oddeleni, prednosta prim. dr. J. Pokorny, nemocnice Bulovky v Praze 8. J. S. Praha VIII - Bulovka. (MOUTH, radiography

rectangular x-ray technic (Cz))



#### SLANINA, Josef

Teaching in radiology. Report from the 9th International Conference on Radiology in Munich. Cesk.rentg. 14 no.5:347-351 0 60.

1. Rentgenologicka katedra UDL (vedouci dr. J.Slanina), Praha 8 - Bulovka.

(RADIOLOGY educ)

## "APPROVED FOR RELEASE: 08/24/2000

CIA-RDP86-00513R001651230003-0

SLANINA, J

SUMBAGE (in cape); Given Nemes

country:

Czechoslovakia

Academic Degrees:

Affiliation:

Prague, Rozhledy v Tuberkuloma v Memocech Plicnich,

Vol XXI, No 7, August 1961, pp 521-523 Source:

"Calcified and Ossified Tuberculomas of the Brain."

Date:

KRIVEKA, Rudolf, Doc Dr. Institute for Postgraduate Medical Training (Ustav pro doskolovani lekaru), Prague; Department of Tuberculosis Authors: (katedra tuberkulozy), Chief (Prednosta): Doc Dr Rudolf Krivinka; Department of Pathological Anatomy (katedra patologicke anatomie), Chief (Prednosta): Doc Dr Josef Viklicky; Department of Rentgenology (katedra rontgenologie), Chief (Prednosta): Dr Josef Slanina KRULL, J. Degrees not given, Institute of Public Health (UHZ [Ustav narodniho zdravi/), NV hl m [abbreviation not identified], Prague, the Mospital in Bulovec, Mourological Department (neurologicke oddeleni), Chief (Prednosta): Prof Dr Otakar Janota With the co-operation of R Vojir and J Slaning

SLANINA, J.

Organization of roentgenological service in the USSR. Cesk. rentgen. 17 no.5:346-349 S 163.

1. Rentgenologicka katedra UDL v Praze, vedouci MUDr. J. Slanina. (RADIOGRAPHY) (RADIOLOGY)

CZECHOSLOVAKIA / Virology. Human and Animal Viruses. E-3

Abs Jour: Ref Zhur-Biol., No 10, 1958, 43060.

Author : Slanina, L., Gdovin, T.

: Effect of Ultrasound on the Virus of Teshen Disease. : Not given. Inst Title

Orig Pub: Veterin. casop., 1957, 6, No 1, 22-28.

Abstract: A 10% suspension of the spinal cord from swine infected by the virus was treated by sound from a generator of 100 watt capacity, tension of 1300 volts, current power 240 amperes, for a period of 15 minutes at 23°. In two experiments no effect of ultra-sound was found on virus infectiousness and on the duration of the incubation period. From author's resume.

Card 1/1

# APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651230003-0"

CZ ECLOSLOVIKIA

SLASTIL, L.; BARTKO, P.; SITKO, M.; Voterinary Faculty, College of Agriculture (Voterinarska Fakulta VSP), Kosice.

"Acidity of Abomasum in Cattle."

Prague, Veterinarni Medicina, Vol 11, No 10, Oct 66, pp 503-611

Abstract /Authors' English summary modified 7: Actual and titration acidity of abomasum in cattle was studied by the method of permanent fistula and after the puncture of the abomasum. Indirect determination using ion-exchangers and later determining these in the urine was also used. The pH found was 2.92. Trends oberved during the various periods of the day and during fasting are described. h Figures, h Tables, 12 Western, 2 Czech referare ences. (Manuscript received 18 Mar 66).

SLANINA, V.; KHVOYKA, M. [Chvojka, M.]

Solution of technical problems of deep well boring in complicated conditions. Prace ust naft 18:62-63 161.

SLAMINKA, Pavol, inz.

Lightning-proof weak-current cable. El tech obzor no.10:542-543 0 162.

1. Vyskumny ustav kablov a izolantov.

表现,是我就是他们的大型的自己是不可以是这种可能是不是,他就是这些人的,但可以可以可以是这个人。

SLANINKA, Pavol, inz.

Loading capacity of power cables at various heat resistance of soil and resistance variations in cable run direction. Energetika Cz 12 no.3:124-128 Mr '62.

1. Vysamny ustav kablov a izolantov, Bratislava.

MARSAL, Moroslav, inz., C.Sc.; SLANINKA, Pavel, inz.

Calculation of loading capacity of overhead power cables under variable load. Energetika Cz 12 no.7:344-399 Jl 62.

1. Vyskumny ustav kablov a izolantov, Bratislava.

MIANINKA, Pavol, inz.

Effect of the layer thickness on the electric strength of insulating materials. El tech obzor 51 no.8:396-401 Ag '62.

1. Vyskumny ustav kahlov a izolantov, Bratislava.

SIANINKA, Pavol, inz.

Loading capacity of single-strand cables installed individually or in bundles. Energetika Cz 13 no.12:631-635 D '63.

1. Vyskumny ustav kablov a izolantov, Bratislava.

SLANINKA, Pavol, inz.

Calculation of the permanent load capacity of power cables installed individually or in bundles in open space. Energetika Cz 14 no. 3: 111-118 Mr '64.

1. Research Institute of Cables and Insulators, Bratislava.

Specific thermal resistivity of soil and the method of its measurement. Energetika Cz. 14 no.5:220-224 My '64.

i. Hasearch Institute of Cables and Insulators, Bratislava.

SLANINKA, Pavol, inz.

External thermal resistance of power cables installed in the air. El tech cas 15 no.1:27-46 164.

1. Vyskumny ustav kablov a izolantov, Bratislava, Tovarenska 12.

SLANTING, P., inz.

Determination of voltage and induced current in the metallic sheath of single conductor cables. El tech obzor 53 no.8:460-461 Ag '64.

SLANINKA, Pavel, inz.; FEDOR, Robert, inz.

Impedance of steel conduits used for protectice grounding. Elektrotechnik 19 no.11:311-314 N '64.

1. Research Institute of Gab! and Insulators, Bratislava.

SLANINKA, Pavel, inz.

Calculation of the current for heating cables wound on a drum. Energetika Cz 15 no.2:57-61 F '65.

1. Research Institute of Cables and Insulators, Bratislava.

5 30767-65

ACC NR: AP6029708

SOURCE CODE: CZ/0017/65/054/C06/0283/0287

AUTHOR: Slaninka, Pavol (Engineer)

3 B

ORG: VUKI, Bratislava

TITIE: Loading of the neutral conductor and its influence on the current-carrying capacity of power cables with sector-shaped conductors

SOURCE: Elektrotechnicky obzor, v. 54, no. 6, 1965, 283-287

TOPIC TAGS: electric cable, electric conductor

ABSTRACT: The article deals with the influence of the neutral conductor loading current on the current-carrying capacity of power cables with sector-shaped conductors. Numerical values of correction factors are given. It was found that a simple assumption of a constant sum of conductor losses does not agree sufficiently with the experimental data. Orig. art. has: 3 figures, 9 formulas and 3 tables. [JPRS: 32,482]

SUB CODE: 09 / SUBM DATE: 20Feb65 / OTH REF: 003

Card 1/1 H

0918 0184

ANDRASINA, J.; MERWART, Zd.; MILAR, A.; technicky spolupracovali: KRUPOVA, C.; SLANINOVA, B.; SPISIAKOVA, M.

Albumin as a substitute for protein solutions in shock control. (Experience with 20 per cent albumin produced in Gzechoslovakia). Rozhl. chir. 41 no.10:641-653 0 '62.

1. Vedecke laboratorium chirurgickej kliniky Lekarskej fakulty Univerzity P.J.Safarika v Kosiciach, riaditel prof. dr. J. Knazovicky Ustav ser a ockovacich latok, Praha, pobocka Sarisske Michalany. (SHOCK) (ALBUMINS) (PLASMA SUBSTITUTES)

ZELENKA, J.; SLANINOVA, B.

Changes in labyrinth function due to aging. Cesk. otolaryng. 13 no.1:21-26 F'64.

1. Otolaryngologicka klinika lekarske fakulty hygienicke KU v Praze; prednosta: MUDr. VI. Hlavacek, DrSc.

ANDRASINA 1.; ROZDOBUDKOVA, V.; Technicka spoluprace: SIANINOVA, B.; AKOVA, B.

On changes in the level of iron and copper in the serum after their intravenous administration in patients with peptic ulcer and other chronic diseases. Bratisl. lek. listy 44 no.4:205-214 31 Ag '64.

1. Vedecke laboratorium pri Chirurgickej klinike Lek. fak. Univerzity P.J. Safarika v Kosiciach (veduci prof. MüDr. Jan Knazovicky).

SLAMOVEC, M.

"KE-9 glider," Narodne Krila, Eeograd, Vol 6, No 1, Jan./Feb. 1953, p. 6.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

SLANOVEC, M.

"Analysis of the theoretical and practical results of the KP-9 glider," Narodna Krila, Geograd, Vol 6, No 4, July/Aug. 1953, p. 2.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

#### "APPROVED FOR RELEASE: 08/24/2000

CIA-RDP86-00513R001651230003-0

SUN WSKA, MENNICH

SURNAME, Given Names

Czechoslovakia Country:

Academic Degrees:

/not given/

Affiliation:

Source: Prague, Casopis pro Mineralogii a Geologii, Vol VI, No 2, 1961, pp 148-156.

"Clay Minerals Occuring on the Fissures of Granite at Dunajovice Datas

in Southern Moravia."

Authors: SLANSKY, Ervin /presumably/ Central Institute of Geology (Ustredni geologicky ustav), Prague.

SLANSKA, Jarmila /presumably/ Geological Surveying National Enterprise (Geologicky pruzkum n.p.), Prague.

670 961643

#### "APPROVED FOR RELEASE: 08/24/2000

CIA-RDP86-00513R001651230003-0

SUN UST My Jamila

BOUSKA, -V-ladimir

SURJAME (in caps); Given Names

Country: Czechoslovakia

/not given/

Central Institute of Geology (Uppedni ustav geologicky),

Affiliation: Prague

Prague, Vestnik Ustredniho Ustavu Geologickeho, Vol XXXVI, No 2, Source:

1961. pp 261-272.

"Petrographical Examination of Quartzes and Zliv Conglomerates Data:

From the Basins of Southern Bohemia."

Co-Author:

SLANSKA, Jarmila,

and Crystallography (Katedra mineralogie, geo, cliemie a krystalografie), Faculty of Hatural Sciences (Fakulta prirodovedecka), KU /Karlova universita; Charles University/, Prague.

,16

Shanski, Sarmile

Contribution to the petrography of Lipnice beds in the Trebon Basin. Vest Met geol 39 no. 2:169-179 ky Met.

1. Central Geological Institute, Prague.

CZECTOSLOVARIA

SLAHSKA, J.

Central Institute of Geology (Ustredni ustav geologicky),
Prague

Prague, Vestnik ustredniho ustavu geologickeho, No 6, 1963, pp. 367-353

"kesults of Petrographical Investigation of the Klikov and Mydlovary Beds."

GABPIRGOVA. N.; MACEONA, A.; REHAKOVA, Z.; SLANSKA, J.

Further data on the geological position and age of the Zi'v series of strata in south Robemian basins. Vest Ust geol 39 no.4:243-250

1. Central Geological Institute, Prague.

Ecology of the Northlity of two important forests in Prostice B. 191. (CLEUT, Series 11/3, v. 1/6, 1950/52, Marreb, Yaroslavia)

Set Honthly Hist of East European accessions, (EEL), 10, Vol. h, no. 1 Jan. 1975, Jucl.

Gas Industry Pavillion at the All-Union Exposition of the Achievements of the National Economy, Gaz. prom. 9 nc.2: 26a-26d 164. (MIRA 17:9)

AZHOTKIN, G.I., red.; BESEDINA, O.S., red.; GIL', B.V., red.;

DULEYEV, Ye.M., red.; IVANTSOV, O.M., red.; KOGAN, G.Ye.,

red.[deceased]; KUZNETSOV, P.L., red.; LEVIN, F.D., red.;

SLANSKIY, D.A., red.; TELKOV, I.K., red.; KOMAROVA, L.,

ved. red.; KHRYASTOV, Yu., ved. red.

[Contribution of young specialists to the gas industry]
Vklad molodykh spetsialistov v gazovuiu promyshlennost'.
Moskva, 1964. 459 p. (MIRA 18:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy proizvodstvennyy komitet po gazovoy promyshlennosti.

## SLANSKIY, S.

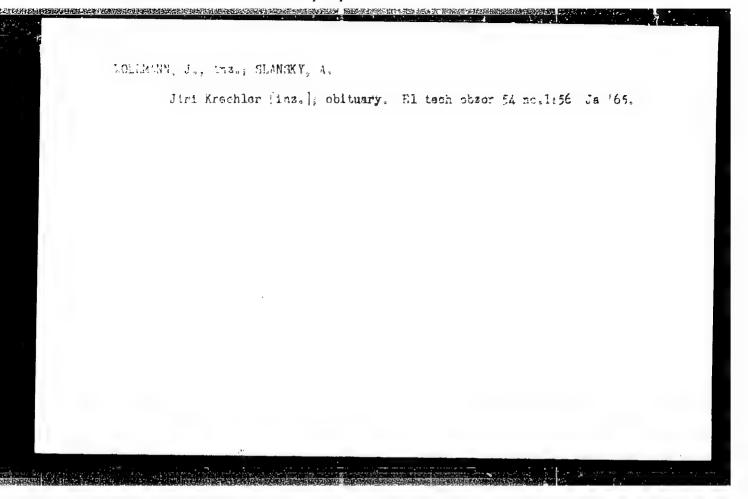
Automatic taximeters. Avt. transp. 35 no.4:35 Ap 157.

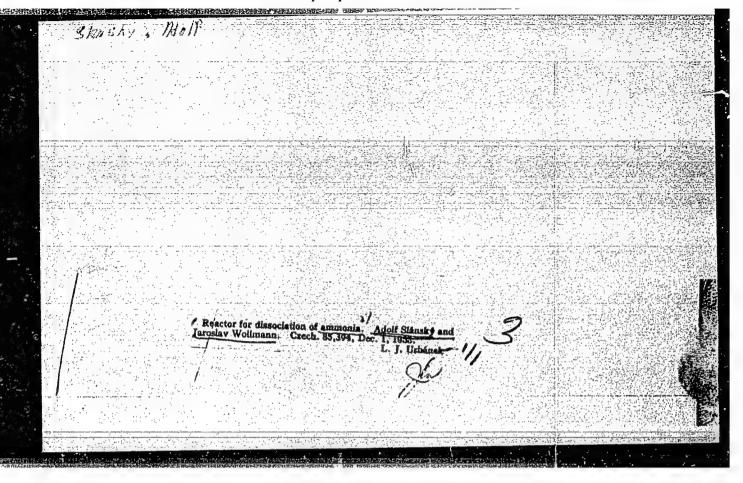
(MLRA 10:5)

1.Glavnyy inzhener Alma-Atinskoy avtobazy no.1. (Taxicabs)

SLANSKY, A.; WOLLMANN, J., inz.

The importance and economy of capillary soldering. Stroj vyr 10 no.2:30-83 '62.





SLANSKY, A.

"Metallic bellows and corrugated sleeves." p. 743.

STROJIRENSTVI. (MINISTERSTVO TEZKEHO STROJIRENSTVI, MINISTERSTVO PRESHEHO STROJIRENSTVI A MINISTERSTVO AUTOMOBILOVEHO PRUMYSLU A ZEMEDELSKYCH STROJU.) Praha, Czechoslovakia, Vol. 5, no. 10, Oct. 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959. Uncl.

SLANSKY, Bohuslav, inz.

Steel molds for the production of standard road bridge girders. from prestressed concrete. Inz stavby 13 no.3:123-128 Mr '65.

1. Dopravni stavby, Olomouc.

#### "APPROVED FOR RELEASE: 08/24/2000 CIA-RDP86-00513R001651230003-0 AND THE PROPERTY OF THE PROPER

1.2111 26

Czechoslovakia/Cosmochemistry - Geochemistry. Hydrochemistry, D

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 725

Author: Slansky, E.

Institution: None

Title: On the Study of Nickel Hydrosilicates from the Kremze Area, Southern

Czechoslovakia

Univ. Carolina. geol., 1955, Vol 1, No 1, 1-28 (published in Czech Original Periodical:

with summaries in Russian, German, and English)

Abstract: Microscopic, X-ray spectroscopic, thermal, and spectroscopic methods were used in the investigation of the rare minerals pinilite (Ni,

Mg) /(OH)8(Si4010)/.nH20 and nepowite ("revdinskit") (Ni, Mg)6 /(OH)8(SihO10)/, which are products of the disintegration of serpentine. For comparison purposes X-ray spectroscopic and thermal analyses were made on pimilite samples from Frankenstein (Zambkovitsa) in Silesia. On the basis of these analyses the author is of the opinion that pimilite cannot be classified in the monmorillonite group, as

Card 1/2

Czechoslovakia/Cosmochemistry - Geochemistry. Hydrochemistry, D

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 725

Abstract: proposed by Strunz (H. Strunz, Mineralogische Tabellen, Second Edition,

Leipzig, 1949), while nepouite appears to be a typical representative of the serpentine group. Five spectroscopic analyses on both minerals showed the presence in varying proportions of the following elements:

Mg, Ni, Si, Mn, Fe, Ca, Al, Ba, Cu, Ti, Cr, Zn, Na, Mg, and Sr.

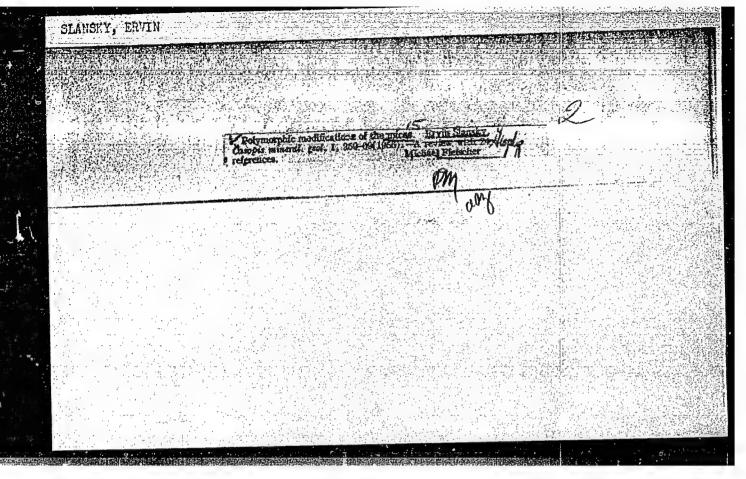
Card 2/2

SLANSKIY, Ervin.

Beta-cerolite from Kremze, Czechoslovakia. Zap. Vses.min.ob-va 84 no.1:43-46 '55. (MIRA 8:5)

l. Kafedra geokhimii, mineralogii i kristallografii Karlova universiteta. Praga, Chekhoslovakiya.

(Kremze, Czechoslovakia - Cerolite) (Cerolite - Kremze, Czechoslovakia)



SLANSKY, E.

Technique of the roentgenometric study of clay minerals. p. 172. (Casopis Pro Mineralogii A Geologii, Vol. 2, no. 2, 1957. Praha, Czechoslovskia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

CZECHOSLOVAKIA / Cosmochemistry. Goochemistry. Hydrochemistry.

D

Abs Jour

: Ref Zhur - Khimiya, No 10, 1959, No. 34543

: Slansky, Ervin

Author

Inst

: Two Now Classifications of Clay Minerals

Titlo

: Casop. mineral. a geol., 1958, 3, 358-362

Orig Pub

Abstract

: No abstract given

Card 1/1

SURNAME, Given Names

Country: Czechoslovakia

S. P. With Con E River

Academic Degrees:

/not given/

Data:

Source: Prague, Casopis pro Mineralogii a Geologii, Vol VI, No 2, 1961, pp 148-156. "Clay Minerals Occuring on the Fissures of Granite at Dunajovice

in Southern Moravia."

Authors: SLANSKY, Ervin /presumably/ Central Institute of Geology (Ustredni geologicky ustav), Prague.

SLANSKA, Jarmila /presumably/ Geological Surveying National Enterprise (Geologicky pruzkum n.p.), Prague.

, arin SURLINE, Given Names

Country: Chechoolovakia

Academic Degrees: /Aot given/

/mot given/ Affiliation:

Source: Prague, Vestnik Ustredniho Ustavu Geologickeho, Vol XXXVI, No 5, June 1961, pp 413-414.

Data: "The Second Honference on the Mineralogy and Petrography of Clay

minerals."

GPO 981643

CHEU OSLOVALIA

SEALISET, 1; CHOH, P.

Chair of Geochemistry, Mineralogy and Crystalography of Charles University (Mateura Geochemie, mineralogic a krystalografic Harlovy university), Prague (for both)

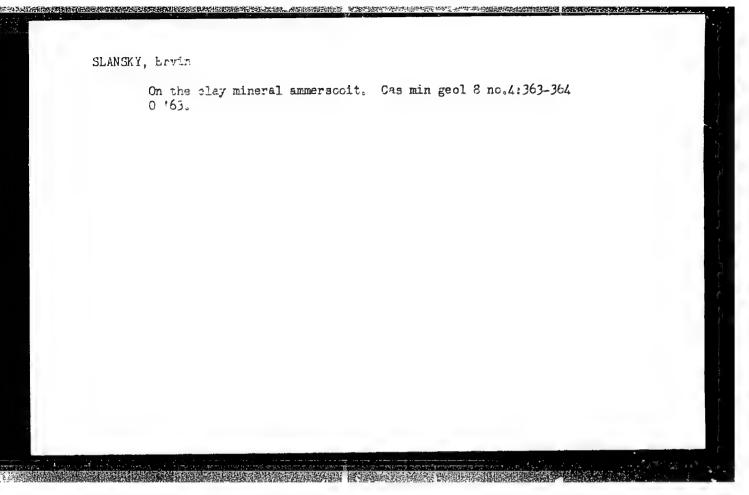
Francia, Ousonio pro mineralogii a geologii, Eo 4, 1 03, 11 302-305

"Vermonalite from Stuyna near Krease in Souther, Bohemia."

pp 363-364 "On the Loam Mineral Ammarscoite."

BOUSKA, Vladimir; SLANSKY, Ervin

Development of mineralogy and crystallography at Cambridge University in England in the years 1808-1931. Cas min geol 8 no.3:300-302 Jl 363.



SLANGAR, Grain: 07.04, Prantisek

Vermicurite from Stupma near Kremze in southern Bohemie Cas min geol 8 no.4:382-385 0 '63.

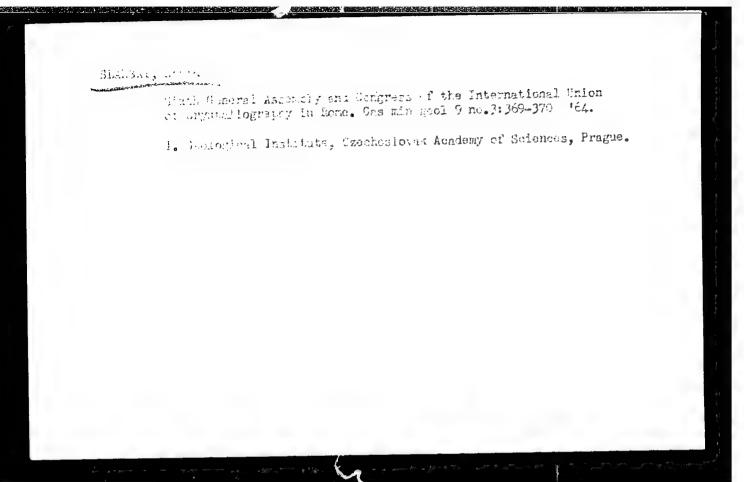
1. Chair of Geochemistry, Mineralogy and Crystallography, Charles University, Prague.

## SLANSKY, Ervin

The I-ray identification and crystal structures of clay monerals by G. Brown. Reviewed by Ervin Slansky. Vest Ust geol 38 no.3:188 My \*63.

CECH, Frantisek; SLANSKY, Ervin

"The system of mineralogy of J.D.Dana, E.S.Dana" by C.Frondel. Vol. 3. Reviewed by Frantisek Cech, Ervin Slansky. Cas min geol 9 no. 1:25-26 164.



KRALIK, Miroslav; SLAMSKY, Ervin

Problem of laterites in the Mezoun area near Prague. Cas min geol 9 no.3:273-280 '64.

1. Geologicky pruzkum National Enterprise, Prague and Geological Institute of the Grechoslovak Academy of Sciences, Prague.

Chasset, Ervin

Symposium Thomas disensingular and organographic method to research and techniques in Parlin. Cas min geol 9 no.43439. 500 164.

1. Coological Institute of the Czechoslovak Academy of Sciences, Frague. Submitted May 11, 1964.

CHICHOGLOVARIA

MALIE, H; SLAWEY,

1. Geological Department (Geologicky pruskum), Prague; 2. Geological Institute CSAV (Geologicky ustav CSAV), Prague

Prague, Jasopis pro mineralogii a geologii, No 3, 1964, pp 273-279

"Laterites in the Environs of Mesoun near Frague."

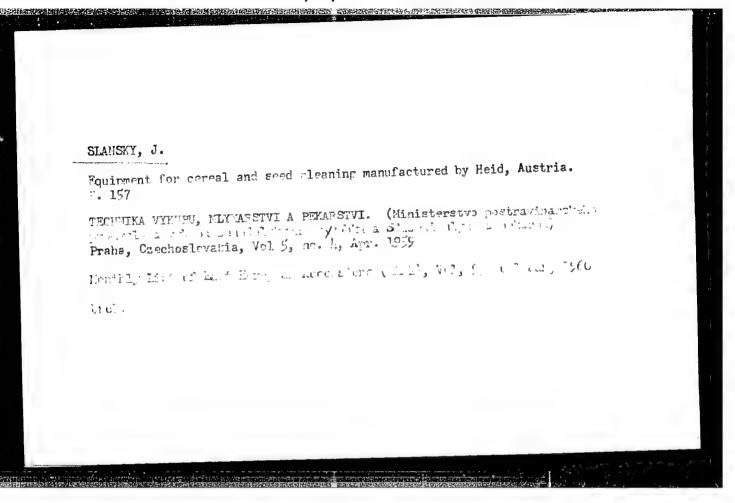
JUEUHOSLOVALIA

### SLAHSHY, E.

Geological Institute CSAV (Geologicky ustav CSAV), Prague

Pra me, Casoris pro mineralo di a geologii, No 4, 1964, pp 499-

"Symposium on 'Modern Mineralogical and Crystallographic Methous in Research and Technics' in Berlin."



VRBOVA, Kveta; SLANSKY, Jiri

Course of the epidemic of so-called Asian influenza in children during 1957-58. Cesk.pediat. 15 no.1:25-29 Ja '60.

1. Thomayerova nemocnice v Praze 14, oddeleni detske interny, prednosta prim. dr. E. Kratkova.

(INFLUENZA ASIAN in inf.& child.)

## SLANSKY, Jiri

Dystrophy of the extremities precipitated by porencephalia in a 9-year-old girl. Cesk. pediat. 16 no.11;1015-1016 N \*61.

1. Detske interni oddeleni Thomayerovy nemocnice v Praze 4, prednosta prim. MUDr. E. Kratkova. (CEREBRAL CORTEX dis) (EXTREMITIES dis)

SLANSKY, J.; PRACEROVA, V.

Late manifestations of traumatic cyst of the CNS in an 11-year-old girl. Cesk. pediat, 16 no.12:1105-1107 D 161.

1. Detske interni oddeleni Thomayerovy nemocnice v Praze 4, prednosta dr. E. Kratkova Neurologicke oddeleni Thomayerovy nemocnice v Praze 4, prednosta doc. dr. J. Simek.

(CENTRAL NERVOUS SYSTEM wds & inj)

#### "APPROVED FOR RELEASE: 08/24/2000

CIA-RDP86-00513R001651230003-0

SURNAME, Given Names

Country:Czeshoslovakia

Academic Degrees: MD

Fediatric Internal Department, Thomayer Hospital (Detske interni oddeleni Affiliation: Thomayerovy nemocnice) Director: Dr E. KRATKOVA, Prague / Kre

Source:prague, Fook ' & Tekar, Vol ' . No 15-16, Aug 21, 1961; pp 668-672

Data: "About the Question of Poisonings in Children"

SLANSKY, Jiri SAMANKOVA, Vlasta

688 481644

FREINDL, L.; NIEWODNICZANSKI, H.; NURZYNSKI, J.; SLAPA, M.; STRZALKOWSKI, A.

Elastic scattering of 12.8 MeV deuterons on some light nuclei. Inst fiz jadr report no.203:1-19 '62.

1. Institut Fizyki Jadrowej, Krakow.

#### "APPROVED FOR RELEASE: 08/24/2000

#### CIA-RDP86-00513R001651230003-0

L 09211-67 ACC NR. AP7002755 SOURCE CODE: PO/0046/66/011/005/0359/0367

AUTHOR: Chwaszczewska, Janina-Khvashchevska, Ya.; Freindl, Ludwik-Frendl', L.; Karcz, Waldemar-Karch, V.; Przyborski, Wincenty-Privorski, V.; Stapa, Mieczyslaw

ORG: [Chwaszczewska; Przyborski] Institute of Nuclear Research, Swierk; [Freindl] Institute of Nuclear Physics, Krakow; [Karcz] Institute of Physics, Jagellonian University, Krakow; [Slapa] Central Laboratory for Radiological Protection, Warsaw.

TITLE: Semiconductor system for charged particles identification

SOURCE: Nukleonika, v. 11, no. 5, 1966, 359-367

TOPIC TAGS: particle counter, radiation counter

ABSTRACT: A system consisting of two semiconductor counters of types dE/dx and E was built to separate particles from nuclear reactions. The properties of this system were checked by detection of products of reactions induced by 24.8 Mev alpha particles and 12.4 Mev deuterons on Au, C, and Ca nuclei. The authors thank Professor H. Niewodniczanski and Professor B. Buras for their interest in this work. The authors also thank Doctor K. Grotowski, Doctor A. Strzalkowski and Doctor A. Budzanowski for their advice and encouragement throughout the progress of this work. They give special thanks to Cyclotron Operation Staff for running the machine. Orig. art. has: 13 figures. [Orig. art. in Eng.] [NA]

SUB CODE: 18 / SUBH DATE: 09Dec65 / ORIG REF: 003 / OTH REF: 004

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The inert gas ...

apparatus (of Gl. capacity) is shown in Fig. 1 The gas circulates through a steel column (1) containing a number of copper trays (2) holding Ca and Mg shavings, through horizontal pipes (3,4), valves (5,6,7,8) and a detector (9). A manometer (10) and vacuum gauges (11) are provided. The trays, which are perforated to facilitate gas flow, are held in good thermal contact with the wall by means of phosphor-bronze springs. The filter column itself is heated with a W resistance element (15), wound non-uniformly to give even distribution of temperature, measured with a resistance thermometer (18) which is connected to a thermoregulator (19). The apparatus, which may be used at up to 10 atm., must be thoroughly out-gassed by flushing with argon at a few atmospheres for 5 hours and pumping out before operation. The degree of purification depoids on the filter temperature, time of purification, gas pressure and the absorbing metals. The effects of these 4 parameters were investigated with a grid ionization chamber. For high concentrations of impurities, it is sufficient to measure the pulse amplitude as a function of the purification time at a constant temperature. Pulse height increases with increasing purity of the gas to a maximum of 99.99%. To assess higher purities, it is necessary to measure the pulse height v. voltage applied on the chamber when a plateau is reached at 99.99%. Abstractor's note: Figures given appear inconsistent 7. The grid Card 2/5

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The inert gas ...

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consisted of two 0.09 mm W wires space: 2.1 mm apart, mounted 49 and 10 mm from the anode and the collector respectively. 65 resolutions were obtained with this apparatus for x-particles from natural U (4.20 and 4.76 MeV). Using Ca filters and commercial argon at 3 atm., the purifications were attained after ~ 1 hr. at 300 C, ~ 2½ hrs. at 280 C and ~ 5 hrs. at 250 C. Lower purity was achieved at 210 C under the same conditions. Using Ca 105 Mg in filter trays at the same pressure of argon, the purifications required ~ 1½ hrs. at 250 C and ~ 3 hrs. at 210 C. The measurements with argon at 9 atm. showed that the time of purification (~ 3½ hrs.) is roughly proportional to the gas pressure. The temperature and filter meterial used in the last experiment are not given. The amount of used Ca was 22 gr. / Abstractor's note: Presumably per operation /. The authors express their gratitude to Professor H. Niewodniczański and to A. Budzanewski and Z. Wroński for their support and assistance. There are 8 figures and 4 references: 2 Soviet bloc and 2 non-Soviet-bloc. The 2 references to English-language publications read as follows: U. Facchini and A. Holvicin, Nucleonics, 13, 36 (1955); L. Herwig, G. Miller and N. Utterback, Rev. Sci. Inst., 26, 929, (1955).

Card 3/5

26834 P/048/61/008/007/006/008 D249/D302

The inert gas...

ASSOCIATION: Polish Academy of Sciences, Institute of Nuclear Physics.

Cracow

SUBMITTED: May, 1.961

Fig. 1. Diagramatic sketch of the inert gas purifier
1: a filter column; 2: trays with calcium splints; 3,4: horizontal pipes;
5,6,7,8: valves; 9: detector; 10: manometer; 11: vacuum gauge; 12: central
rod; 13: upper lid; 14: copper sealing; 15: heater; 16: asbestos thermal
isolation; 17: steel protector; 18: resistance thermometer; 19: thermoregulator; 20,21: water-cooling connections.

Card 4/5

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L 26199-66 EMP(W)/EMP(k) IJP(c) EM

ACC NR: AP6014780

SOURCE CODE: CZ/0090/66/000/002/0242/0284 3

AUTHOR: Kovarik, V. (Engineer, Candidate of sciences); Slapak, P. (Docent, Engineer, Candidate of sciences)

ORG: Building Research Institute, Technical University, Prague

TITLE: Cylindrical bending of sandwich plates (small-deflection theory)

SOURCE: Ceskoslovenska akademie ved. Acta technica, no. 2, 1966, 242-284

TOPIC TAGS: mechanics, stress analysis, sandwich structure, cylindrical bending, small deflection theory

ABSTRACT: A linear solution of the cylindrical flexure of a sandwich plate is presented. The formulation of the problem is based on a previous work by the authors (Acta technica CSAV no. 1, 1966) dealing with the nonlinear problem of cylindrical flexure of sandwich plates. Two basic theories are derived for plates with rigid and light-weight cores. Chapter 1 discusses the bending of an orthotropic asymmetric sandwich plate of infinite length with a rigid core. Expressions are derived for the components of displacement strains and stresses as well as for the elementary longitudinal and shear forces and moments per unit length. These expressions contain three unknown displacement functions which are determined from the equilibrium conditions of elementary forces described by a system of three differential equations. This system is reduced to a simple fourth-order equation with constant

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coefficients which is solved by quadratures by introducing a displacement function w. The maximum extreme values of stress components and the boundary conditions are also expressed in terms of  $\omega$ . Examples of solutions are given for a uniformly loaded plate of infinite length with the following types of edge support: 1) fixed hinge along one edge and movable hinge along the other; 2) fixed hinges along both edges; and 3) built-in edges. A uniformly loaded symmetrical plate with hinged edges is also discussed, and the effect of geometric paremeters on the flexural and normal stresses is examined and illustrated by diagrams, as well as the difference between statically and kinematically allowable values of the shear stresses. The effect of shearing strains on deflection and normal stresses is pointed out. Chapter 2 is devoted to plates with physically and geometrically asymmetrical faces and a light compressible core. Two differential equations are derived which describe the flexure of this plate; they are reduced to a single differential equation with appropriate boundary conditions (for simply supported and built-in edges). An example is given to illustrate the theory. The case of a plate with symmetrical outer layers and a light core is also discussed and a sample solution is given. A number of examples are given to compare the results and to show the limitations of validity of approximation theory and the results are tabulated for a simply supported, uniformly loaded plate. The third chapter contains some remarks on possible applications of the approximate theory and lines for its further theoretical research.

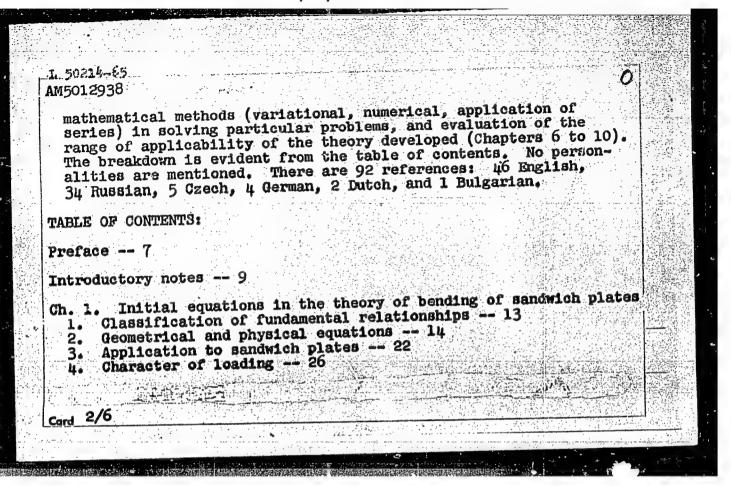
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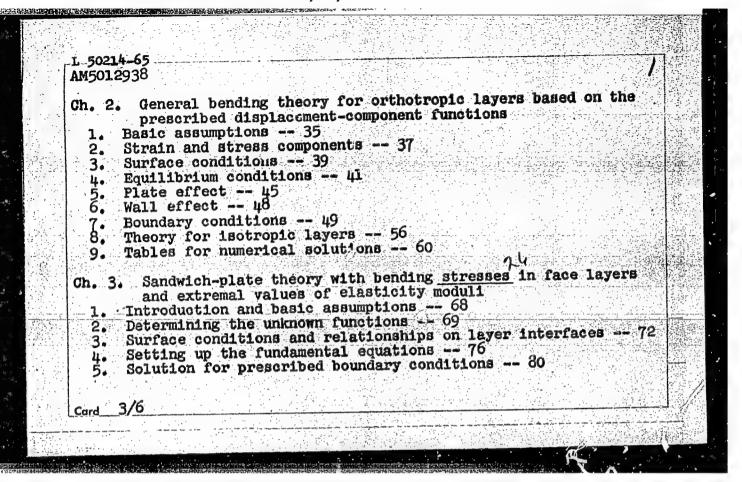
DUNDROVA, Vera, inz. CSc.; KOVARIK, Vaclav, inz. CSc.; SLAPAK, Pavel, inz. CSc.

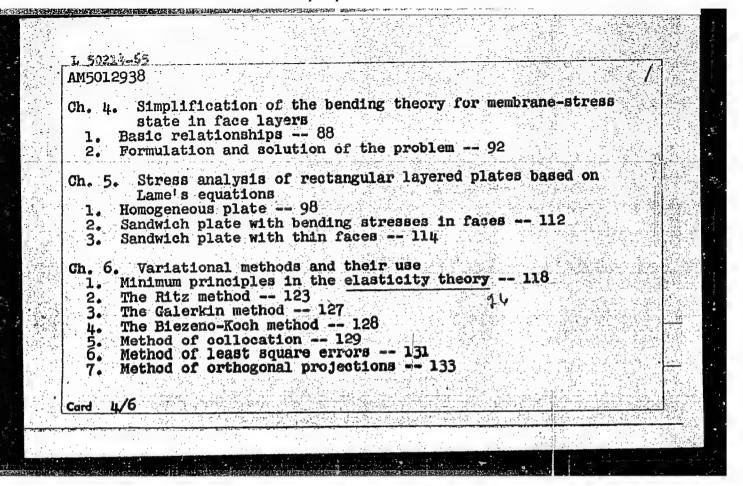
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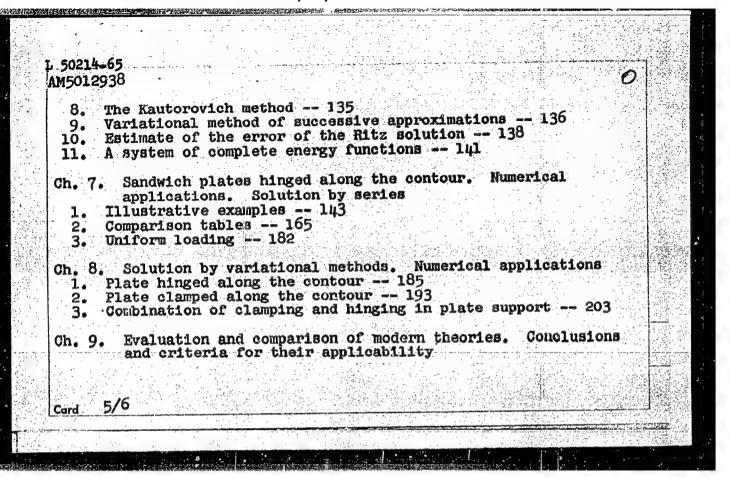
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EWT(d)/EWP(w)/EWA(d)/EWP(k) BOOK EXPLOITATION AM5012938 Dundrova, Vera (Engineer; Candidate of Sciences); Kovarik, Vaclav (Engineer; Candidate of Sciences); Slapak, Pavel (Engineer; Candidate of Sciences) Theory of bending of sandwich plates (Teorie ohybu sendvicovych desek), Prague, Nakladatelstni Ceskoslovenske akalemie ved, 1965, 274 p. illus., biblio., index. Errata slip inserted. 1500 copies printed. TOPIC TAGS: sandwich plate, sandwich plate theory, sandwich plate bending, sandwich plate bending theory, variational method PURPOSE: This book can be used by engineers working in the field of sandwich construction, by designers using sandwich plates as structural components, and students in schools of higher technical education. COVERAGE: The content of the book can be divided into two parts: 1) development of the theory of stress and strain of sandwich plates subjected to bending (Chapters 2 to 5), and 2) the use of









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1. Most widely know 2. Theory [develope	m works of foreign a	uthors 215		
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#### CIA-RDP86-00513R001651230003-0 "APPROVED FOR RELEASE: 08/24/2000

ACC NR: AP6036348 SOURCE CODE: CZ/0090/66/000/005/0589/0630

AUTHOR: Slapak, Pavel (Docent; Engineer; Candidate of sciences); Kovarik, Vaclav (Engineer; Candidate of sciences)

ORG: Czechoslovak College of Technology, Prague-Dejvice (Tschechische Technische Hochschule)

TITLE: On the stability of sandwich plates. Part. I. Cylindrical buckling of sandwich plates

SOURCE: C"AV. Acta technica, no. 5, 1966, 589-630

TOPIC TACS, sandwich structure, structure stability, buckling, eigenvalue, potential energy, stability loss, wrinkling

ABSTRACT: The present paper consists of three chapters concerning basic types of one-dimensional stability problems of sandwich plates: buckling (total loss of stability) and wrinkling (loss of stability of the outer layers only). Chapter I deals with the buckling of sandwich plates with rigid cores. In the core, which is assumed. to be transversally incompressible, both the shearing and the normal stresses are

Card 1/2

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Theory of sandwich plate lending. Pt.2. Stev cas 12 no.9, 580 462.

L 45412-66 EWP(k)/EWP(w) IJP(c) EM 1
ACC NR: AP6019818 (A) SOURCE CODE: CZ/0090/66/000/001/0012/0059

AUTHOR: Kovarik, Vaclay, (Engineer; Candidate of Sciences); Slapak, Pavel,

(Engineer; Candidate of Sciences)

ORG: Building Research Institute, Technical University, Prague

TITLE: Cylindrical bending of sandwich plates (Finite-deflection theory)

SOURCE: Ceskoslovenska akademie ved. Acta technica, no. 1, 1966, 12-59

TOPIC TAGS: sandwich plate, sandwich plate bending, rigid core plate, light core plate, cylindrical bending

ABSTRACT: The paper considers the bending of an infinite strip supported along two opposite edges, with  $\mathbf{x}_1$  = const, and carrying a load which does not depend on the variable  $\mathbf{x}_2$ . Under these conditions the problem becomes one-dimensional. The influence of the variation of some parameters of the plate on the quality of the results is shown. The first chapter of the paper deals with a plate with a rigid core in which both the shearing and normal stresses are taken into account. The

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second chapter is concerned with plates with a light core which carries over shearing stresses only. Both chapters contain conclusions regarding the applicability of the linear and the non-linear theories. Orig. art, has: 17 figures, 2 tables, and 2 formulas. [KS]

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 003/ SOV REF: 003/ OTH REF: 004/

L 44615-66 EMP(w)/EWP(k) IJP(c) SOURCE CODE: HU/2504/66/053/03-/0343/0357 ACC NR. AT6033130 AUTHOR: Dundrova, V. (Prague); Kovarik, V. (Prague); Slapak, P.--Shlapak, P. (Prague) ORG: none TITLE: Non-linear bending theory for sandwich plates. Part 1: The sandwich plate with very thin external layers SOURCE: Academia scientiarum hungaricae. Acta technica, v. 53, no. 3-4, 1966, 343-357 TOPS: TAGS: thin plate, approximation method The theory for bending of rectangular sandwich ABSTRACT: plates with isotropic core and very thin transversely isotropic external layers was developed from Lameian equations solved by a stepwise approximation method. Non-linear conditions existed only in some boundary conditions and the principal equations were all linear. The application of the theory was illustrated with a numerical example. The intermediate and final terms were interpreted in terms of actual physical factors. Thirty-two equations were presented to characterize the relations involved. Orig. art. has: 3 figures, 32 formulas and 1 table. [Orig. art. in German] [JPRS: 36,645] SUB CODE: 13, 12 / SUBM DATE: 01Jul64 Card 1/1blg

ACC NRI AP7003778

SOURCE CODE: CZ/0090/66/000/006/0708/0758

AUTHOR: Kovarik, Vaclav (Engineer; Candidate of sciences); Slapak, Pavel

(Engineer; Candidate of sciences; Docent)

ORG: Building Institute CVUT, Prague

TITLE: The stability of sandwich plates Part 2

SOURCE: Ceskoslovenska akademie ved. Acta technica, no. 6, 1966, 708-758

TOPIC TAGS: sandwich structure, sandwich plate, sandwich plate stability, incompressibility, transverse incompressibility, shear stress, material

deformation, material stress

ABSTRACT: Stability theories of sandwich plates with both light and rigid cores are given. In formulating the theories, linear geometrical and physical equations were employed. In chapter I the assumptions of transversal incompressibility, a certain distribution of transversal shear stresses, etc., lead to a certain form of the expressions for the components of displacement. Components of deformation and of stress were also derived. Similarly to the classical theory of homogeneous plates, the concepts of normal and shearing forces, of bending and twist-

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ing moments, are introduced. The formulation of the problem for a plate of general shape is given; the rectangular plate is considered, and results of a series of numerical examples are presented. A simple criterion for a plate of optimum structure is established. Chapter II is subdivided into two parts. In the optimum structure is established. Chapter II is subdivided into two parts. In the optimum structure is established. The rectangular plates with light cores and comparatively thick outer layers is given. The second part contains a rather simple theory which holds true for the only plates with very thin facings. The results of numerical examples are arranged in tabular form. Orig. art. has: 14 figures, 5 tables, and 167 forumles. [Based on authors abstract] [WA-52]

SUB CODE: 13/SUBM DATE: 27Jul66/ORIG REF: 001/SOV REF: 001/

OTH REF: 005/

Card 2/2

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Research on game and its organization. p. 209 (Sbornik Rada Lesnictvi Vol. 4, no. 4, 1957 Frana)

SO: Fontaly list of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

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